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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
(Case No. 02-482-B)

In re Application of:

Cali, et al.

Serial No.: 10/665,314

Filed: September 19, 2003

For: Luminescence-Based Methods and Probes for
Measuring Cytochrome P450 Activity

Examiner: TBA

Group Art Unit: 1743

Confirmation No. 6198

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

TRANSMITTAL LETTER

In regard to the above identified application:

1. We are transmitting herewith the attached:

- a. Information Disclosure Statement;
- b. U.S. PTO Form 1449 and copies of 65 references; and
- c. Return Receipt Postcard.

2. With respect to additional fees:

No fee is required.

3. Please charge any additional fees or credit overpayment to Deposit Account No. 13-2490. A duplicate copy of this sheet is enclosed.

4. CERTIFICATE OF MAILING UNDER 37 CFR § 1.8: The undersigned hereby certifies that this Transmittal Letter and the paper, as described in paragraph 1 hereinabove, are being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this June day of June, 2004.

Date: June 2, 2004

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INFORMATION DISCLOSURE STATEMENT

Sir:

In order to comply with discretionary regulations 37 CFR §§1.97 and 1.98, attached hereto is Form PTO-1449, copies¹ of the documents listed thereon. These documents contain information which the Examiner may consider to be important in deciding whether to allow the present application to issue as a patent.

1. Patroni, et al., U.S. Patent No. 4,992,531, issued February 12, 1991
2. Geiger, et al., U.S. Patent No. 5,035,999, issued July 30, 1991
3. Geiger, et al., U.S. Patent No. 5,098,828, issued March 24, 1992
4. Keith V. Wood, U.S. Patent No. 5,283,179, issued February 1, 1994
5. Zomer, et al., U.S. Patent No. 5,283,180, issued February 1, 1994
6. James H. Kelly, U.S. Patent No. 5,290,684, issued March 1, 1994
7. Tabor, et al., U.S. Patent No. 5,498,523, issued March 12, 1996

¹To the extent that a document is listed and no copy of same is attached, then such document is not at the present time available to the undersigned or is available in the file of a parent application. If a listed document is not in the English language and an English translation is readily available, such translation is also attached; if translation is not attached it is not readily available to the undersigned. If a foreign language patent document is cited, and an English language equivalent is known to the undersigned, then such equivalent patent is also cited on the attached form along with the corresponding foreign language patent and a connecting arrow indicated therebetween; if no such English language equivalent is cited, then none is known to undersigned.

8. Keith V. Wood, U.S. Patent No. 5,641,641, issued June 24, 1997
9. Contag, et al., U.S. Patent No. 5,650,135, issued July 22, 1997
10. Keith V. Wood, U.S. Patent No. 5,650,289, issued July 22, 1997
11. Keith V. Wood, U.S. Patent No. 5,814,471, issued September 29, 1998
12. Burbaum, et al., U.S. Patent No. 5,876,946, issued March 2, 1999
13. Daryl W. Hochman, U.S. Patent No. 5,976,825, issued November 2, 1999
14. Makings, et al., U.S. Patent No. 6,143,492, issued November 7, 2000
15. Contag, et al., U.S. Patent No. 6,217,847 B1, issued April 17, 2001
16. Robert W. Blakesley, U.S. Patent No. 6,291,164 B1, issued September 18, 2001
17. Serbedzija, et al., U.S. Patent No. 6,299,858 B1, issued October 9, 2001
18. Naoki Kajiyama, U.S. Patent No. 6,376,208 B1, issued April 23, 2002
19. Makings, et al., U.S. Patent No. 6,420,130 B1, issued July 16, 2002
20. Merkulov, et al., U.S. Application No. US 2002/0076777 A1, published June 20, 2002
21. International Application No. WO 01/20002 A1, published on March 22, 2001
22. Allen, T. *et al.* (1995) "Cloning and Expression of the Adenine Phosphoribosyltransferase Gene from *Leishmania donovani*", *Molecular and Biochemical Parasitology*, 74, p. 99-103.
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32. Hardman, J.G. *et al.* (eds.) *The Pharmacological Basis of Therapeutics*, 9th ed., p. 1-27, McGraw-Hill, 1996.
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38. Kim, D., *et al.* (1994) "Molecular Cloning of Cucumber Phosphoenolpyruvate Carboxykinase and Developmental Regulation of Gene Expression", *Plant Molecular Biology*, 26, p. 423-434.
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41. Leyh, T. *et al.* (1988) "The Sulfate Activation Locus of *Escherichia Coli* K12: Cloning, Genetic, and Enzymatic Characterization", *The Journal of Biological Chemistry*, 263(5), p. 2409-2416.
42. Ludin, K. *et al.* (1994) "The Ade4 Gene of *Schizosaccharomyces Pombe*: Cloning, Sequence and Regulation", *Curr Genet*, 25, p. 465-468.
43. Mancy, A. *et al.* (1999) "Diclofenac and Its Derivatives As Tools for Studying Human Cytochromes P450 Active Sites: Particular Efficiency and Regioselectivity of P450 2Cs", *Biochemistry*, 38, p. 14264-14270.
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51. Rahman, A *et al.* (1994) "Selective Biotransformation of Taxol to 6 Alpha-Hydroxytaxol by Human Cytochrome P450 2C8", *Cancer Res.*, 54(21), p. 5543-5546.
52. Rose, A. *et al.* (1992) "A Phosphoribosylanthranilate Transferase Gene Is Defective in Blue Fluorescent *Arabidopsis Thaliana* Tryptophan Mutants", *Plant Physiol.*, 100, p. 582-592.
53. Sai, Y *et al.* (2000) "Assessment of Specificity of Eight Chemical Inhibitors Using cDNA-Expressed Cytochrome P450", *Xenobiotica*, 30(4), p. 327-343.
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63. Yoshitomi, S *et al.* (2001) "Establishment of the Transformants Expressing Human Cytochrome P450 Subtypes in HepG2, and their Applications on Drug Metablism and Toxicology", *Toxicology in Vitro*, 15, p. 245-246.
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65. Zapata, G. *et al.* (1989) "Sequence of the Cloned *Escherichia coli* K1 CMP-N-Acetylneuraminic Acid Synthetase Gene", *The Journal of Biological Chemistry*, 264(25), p. 14769-14774.

In accordance with MPEP Sections 609 and 707.05(b), it is requested that each document cited (including any cited in applicant's specification which is not repeated on the attached Form PTO-1449) be given thorough consideration and that it be cited of record in the prosecution history of the present application by initialing on Form PTO-1449. Such initialing is requested even if the Examiner does not consider a cited document to be sufficiently pertinent to use in a rejection, or otherwise does not consider it to be prior art for any reason, or even if the Examiner does not believe that the guidelines for citation

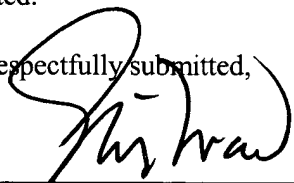
have been fully complied with. This is requested so that each document becomes listed on the face of the patent issuing on the present application.

The present Disclosure Statement is being submitted in compliance with 37 CFR 1.56 insofar as an Examiner might consider any of the cited documents important in deciding whether to allow the application to issue as a patent, but the citation of each document is not to be construed as an admission that such document is necessarily relevant or prior art. No representation is intended that the cited documents represent the results of a complete search, and it is anticipated that the Examiner, in the normal course of examination, will make an independent search and will determine the best prior art consistent with 37 CFR 1.104(a) and 1.106(b) and, in the course of each search, will review for relevance every document cited on the attached form even if not initialed.

Early and favorable consideration is earnestly solicited.

Dated: June 2, 2004

Respectfully submitted,



Emily Miao

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Form PTO-1449	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 02-482-B	Serial No. 10/665,314
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Applicant: Cali, et al.	
		Filing Date: September 19, 2003	Group: 1743



U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date
	1.	4,992,531	02/12/1991	Patroni, et al.	530	351	06/13/88
	2.	5,035,999	07/30/1991	Geiger, et al.	435	23	01/14/88
	3.	5,098,828	03/24/1992	Geiger, et al.	435	7.72	10/24/86
	4.	5,283,179	02/01/1994	Keith V. Wood	435	8	09/10/90
	5.	5,283,180	02/01/1994	Zomer, et al.	435	8	01/09/92
	6.	5,290,684	03/01/1994	James H. Kelly	435	29	10/23/92
	7.	5,498,523	03/12/1996	Tabor, et al.	435	6	07/14/94
	8.	5,641,641	06/24/1997	Keith V. Wood	435	8	06/07/95
	9.	5,650,135	07/22/1997	Contag, et al.	424	9.1	07/01/94
	10.	5,650,289	07/22/1997	Keith V. Wood	435	8	01/31/94
	11.	5,814,471	09/29/1998	Keith V. Wood	435	8	04/09/97
	12.	5,876,946	03/02/1999	Burbaum, et al.	435	7.1	06/03/97
	13.	5,976,825	11/02/1999	Daryl W. Hochman	435	29	10/14/97
	14.	6,143,492	11/07/2000	Makings, et al.	435	4	04/28/99
	15.	6,217,847 B1	04/17/2001	Contag, et al.	424	9.1	01/19/99
	16.	6,291,164 B1	09/18/2001	Robert W. Blakesley	435	6	11/17/97
	17.	6,299,858 B1	10/09/2001	Serbedzija, et al.	424	9.2	02/22/99
	18.	6,376,208 B1	04/23/2002	Naoki Kajiyama	435	8	03/24/00
	19.	6,420,130 B1	07/16/2002	Makings, et al.	435	25	04/28/99
	20.	US 2002/0076777 A1	06/20/2002	Merkulov, et al.	435	183	05/10/01

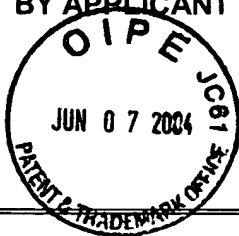
FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes No
	21.	WO 01/20002 A1	03/22/2001	PCT			

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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with any communication.

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OTHER DOCUMENTS - Including Author, Title, Date, Pertinent Pages, Etc.

22.	Allen, T. <i>et al.</i> (1995) "Cloning and Expression of the Adenine Phosphoribosyltransferase Gene from <i>Leishmania donovani</i> ", <i>Molecular and Biochemical Parasitology</i> , 74, p. 99-103.
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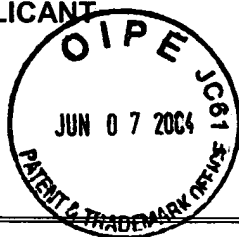


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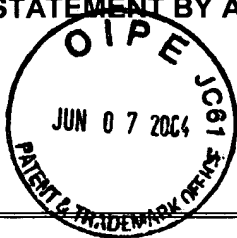


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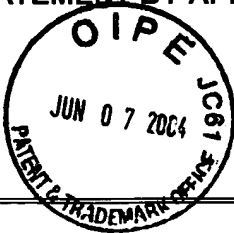
Form PTO-1449	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 02-482-B	Serial No. 10/665,314
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